

TRAFFIC SIGNING MATERIALS

DATE OF LAST REVISION: June 28, 2006

CONTRACT END DATE: May 31, 2007**CONTRACT PERIOD THROUGH MAY 31, 2007**

TO: All Departments

FROM: Department of Materials Management

SUBJECT: Contract for **TRAFFIC SIGNING MATERIALS**
(NIGP CODES 80109, 80148, 80149)

Attached to this letter is published an effective purchasing contract for products and/or services to be supplied to Maricopa County activities as awarded by Maricopa County on **MAY 19, 2004**.

All purchases of products and/or services listed on the attached pages of this letter are to be obtained from the vendor holding the contract. Individuals are responsible to the vendor for purchases made outside of contracts. The contract period is indicated above.

Wes Baysinger, Director
Materials Management

WP/mm
Attach

Copy to: Clerk of the Board
Jim Baker, MCDOT
Kathy Sicard, Materials Management

(Please remove Serial 99173 from your contract notebooks)

**SPECIFICATIONS ON INVITATION FOR BID FOR: TRAFFIC SIGNING MATERIALS
(NIGP CODES 80109, 80148, 80149)**

1.0 INTENT:

The intent of this bid is to award a requirements contract for **TRAFFIC SIGNING MATERIALS** for the Maricopa County Department of Transportation. Also included are blanket discounts for related supplies as covered by current pricing documents. Amendments, supplements and/or revisions will be effective upon receipt and approval of notice to the Department of Materials Management. Deliveries are to be made to the Maricopa County Department of Transportation Procurement-Distribution Center, 2222 South 27th Avenue, Phoenix, AZ 85009, as covered by purchase order.

2.0 TECHNICAL SPECIFICATIONS:

2.1 ALUMINUM TRAFFIC SIGN BLANKS:

Each blank shall be degreased, etched, alodine coated in accordance with MIL-C-5541B, packaged for protection from dust and moisture and ready for application of either paint or reflective sheeting. Each blank shall be made of 5052-H38 or better Alloy, governed by A.S.T.M. specification B-209-73 or latest revisions. Each blank shall be furnished with standard 3/8 inch hole locations and corner radii, unless otherwise noted, as shown on Maricopa County Department of Transportation, Standard Details 2061-1 through 2061-22 (EXHIBIT "A"). Other sizes not listed may possibly be required and the county will purchase these from the successful bidder at the same square foot price as blanks of the same thickness. Sign blanks shall be packaged ten per package.

2.2 REFLECTIVE SHEETING:

Reflective Sheeting used in the fabrication of traffic control signs shall meet the requirements of the FHWA specifications FP-96 and ASTM (D 4956) modified as noted hereinafter. Sheeting will be classified by type in accordance with Federal Standard Specifications FP-96 and ASTM (D 4956) and the following:

2.2.1 TYPE III SHEETING:

Type III is a high-intensity encapsulated lens retroreflective sheeting to meet or exceed 3M Scotchlite™ High Intensity Grade 2800/3800 Series with 800 Series Process Inks, consisting of spherical lens elements adhered to a waterproof plastic having a smooth outer surface. The sheeting shall have a pre-coated heat activated adhesive for Series 2800 equivalent or pressure sensitive adhesive for Series 3800 equivalent.

2.2.2 TYPE VII SHEETING:

Type VII is a super-high-intensity retroreflective sheeting having highest retroreflective characteristics at long and medium road distances as determined by the RA values of the following table at 0.2 degrees and 0.5 degrees observation angle. This material is an unmetallized microprismatic retroreflective element material. Meets or exceeds 3M LDP diamond grade material, 3M Florescent Yellow-Green and 3M Work Zone Florescent Orange.

Observation Fluorescent Orange Angle	Entrance Angle	White	Yellow	Orange	Green	Red	Blue
0.2 degrees 250	-4 degrees	750	560	280	75	150	34
0.2 degrees 180	+30 degrees	430	320	160	43	86	20
0.5 degrees 130	-4 degrees	240	180	90	24	48	11
0.5 degrees 60	+30 degrees	135	100	50	14	27	6

2.2.3 TYPE VIII SHEETING:

Type VIII is a super-high-intensity retroreflective sheeting having highest retroreflectivity characteristics at long and medium road distances as determined by the RA values of the following table at 0.2 degrees and 0.5 degrees observation angle. Sheeting is an unmetallized microprismatic retroreflective element material. Equal to or exceeds 3M "Narrow Angle Performers" diamond grade material.

Observation Blue Brown Angle	Entrance Angle	White	Yellow	Orange	Green	Red
0.2 degrees 42 21	-4 degrees	700	525	265	70	105
0.2 degrees 20 10	+30 degrees	325	245	120	33	49
0.5 degrees 15 7.5	-4 degrees	250	190	94	25	38
0.5 degrees 7 3.5	+30 degrees	115	86	43	12	17

2.2.4 TYPE IX SHEETING:

Type IX is a very-high-intensity retroreflective sheeting having highest retroreflective characteristics at short road distances as determined by the RA values of the following table at 1 degree angle observation. An unmetallized microprismatic retroreflective element material. Meets or exceeds 3M VIP diamond grade sheeting, 3M Fluorescent Yellow Diamond Grade and 3M Fluorescent Yellow Green Diamond Grade.

Observation Yellow Green Angle	Entrance Angle	White	Yellow	Orange	Green	Red	Blue	FL. Yellow	FL.
0.2 degrees 325	-4 degrees	380	285	145	38	76	17		240
0.2 degrees 200	+30 degrees	215	162	82	22	43	10		150
0.5 degrees 235	-4 degrees	240	180	90	24	48	11		165
0.5 degrees 105	+30 degrees	135	100	50	14	27	6		75
1.0 degrees 65	-4 degrees	80	60	30	8	16	3.6		45
1.0 degrees 35	+30 degrees	45	34	17	4.5	9	2		24

2.2.5 The retroreflective sheeting (all types) shall comply with the shrinkage requirements contained in ASTM D 4956 Section 7.6.

2.2.6 The retroreflective sheeting (all types) shall comply with the liner removal and adhesive requirements contained in ASTM D 4956 sections 7.8 and 7.9.

2.2.7 MISCELLANEOUS SHEETING ITEMS/REFLECTIVE & NON-REFLECTIVE:

2.2.7.1 The manufacturer must provide documentation, to the satisfaction of the Engineer, for Types I, II, III & IV sheeting. The sheeting proposed must have been used successfully in a substantial traffic sign program under similar climatic conditions for at least three years. Pressure sensitive, adhesive backing. Sizes vary. All in white except vinyl which is black. Type I, II, III and vinyl are used for borders and corners only. Type IV is utilized for letters, numbers, borders and radius corners and Un-mounted letters, numbers, borders and radius corners.

2.2.7.2 Traffic sign faces. Retroreflective traffic sign face sheeting used in engineering grade, super-engineering grade and high intensity (type I, II and III) pressure sensitive.

2.3 NON-REFLECTIVE VINYL SHEETING:

2.3.1 Non-reflective vinyl sheeting in various colors. Durable, dimensionally stable vinyl that is pressure sensitive for commercial and industrial type applications which will withstand severe weather and handling conditions.

2.3.2 Electronic cuttable Acrylic Based film in non-perforated, transparent and non-reflective film. Standard Colors. ~~Colors red, blue and green.~~

2.3.3 Graffiti film protective overlay. The sheeting manufacturer shall also manufacture clear protective overlays which are compatible with the sheetings & when used in accordance with the sheeting manufacturer's instructions, shall not lessen the warranty term of the sheeting material (all types).

2.4 COLOR REQUIREMENTS:

Conformance to color requirements shall be determined whether by the test method in M 268 or spectrophotometrically in accordance with ASTM E 1164, with instruments utilizing either 45/0 or 0/45 illumination/viewing conditions as described in E 1164 for the 2 degree observer and Eliminant C shall be calculated in accordance with ASTM E 308. For either method, material reference standards used to calibrate the test instrument shall be retroreflective reference standards which have been recently calibrated on a spectrophotometer; alternatively, the Munsell Papers as recently calibrated on a spectrophotometer, may be used.

Type III - 3M™, or equivalent, High Intensity grade Sheeting Reflectivity Enclosed-Lens Sheeting

TABLE 3

<i>Observe Angle</i>	<i>Entrance Angle</i>	<i>White</i>	<i>Red</i>	<i>Orange</i>	<i>Brown</i>	<i>Yellow</i>	<i>Green</i>	<i>Blue</i>
0.2	-4	250	45	100	12.0	170	45	20.0
0.2	+30	150	25	60	8.5	100	25	11.0
0.5	-4	95	15	30	5.0	62	15	7.5
0.5	+30	65	10	20	3.5	45	10	5.0

2.5 SPECIFIC INTENSITY PER UNIT AREA (SIA):

2.5.1 The SIA values shall be in accordance with the following:

2.5.1.1 Type III Table 718-3 or FP96

For screen-printed transparent colored areas on white sheeting, the SIA values shall not be less than 70% of the values for the corresponding color in the applicable table.

TABLE 5

Minimum Specific intensity Per Unit Area (SIA) (Candelas per Foot candle per Square Foot) Type III Construction Work Zone Sheeting				
Observation Angle (degree)	Entrance Angle (degree)	White	Yellow	Orange
0.2	-4	250	170	100
0.2	30	150	100	60
0.2	50	75	40	25
0.5	-4	95	62	30
0.5	30	65	45	25
0.5	50	35	20	10

This is for Type III sheeting and includes Orange which has a 3 year warranty. This table is used for construction work zone High Intensity.

2.6 SHRINKAGE:

Shrinkage of Type I shall be in accordance with the applicable requirements of AASHTO M 268. Shrinkage of Type I reboundable sheeting shall not be more than 0.10 inch in 24 hours in any dimension.

2.7 FLEXIBILITY:

(0 degrees C) for 24 hours prior to test.

2.8 ARTIFICIAL WEATHERING:

Weatherometer exposure applicable to Type I only. Type III requirements shall be met, except that the exposure shall be changed to two years' unprotected outdoor exposure facing the equator and inclined 45 degrees from the vertical.

2.9 PERFORMANCE REQUIREMENTS AND OBLIGATIONS TYPE III:

2.9.1 Field Performance Requirements:

Type III sheeting processed and applied to sign blank materials in accordance with the sheeting manufacturer's recommendations shall perform effectively for the number of years stated in this subarticle. The retroreflective sheeting will be considered unsatisfactory if tint has deteriorated due to natural causes to the extent that: (1) the sign is ineffective for its intended purpose when viewed from a moving vehicle under normal day and night driving conditions; or (2) the SIA values are less than the minimums specified in Table 6.

TABLE 6

Minimum Specific Intensity Per Unit Area (Candelas per Foot-candle per square foot at 0.2 degrees obs. /-4 degrees ent.) 3M™, or equivalent, Type III High Intensity Sheeting		
Sheeting Color	Min. SIA (7 years)	Min.SIA (10 years)
White	212	200
Yellow	144	136
Green	38	36
Red	38	36
Blue	17	16
Brown	10	9

2.9.2 For the printed transparent colored areas on white sheeting the SIA values shall not be less than 70% of those for the corresponding color in the above table.

2.9.3 All measurements shall be made after sign leaning according to the manufacturer's recommendations.

2.10 SHEETING MANUFACTURERS REPLACEMENT OBLIGATION:

2.10.1 Where it can be shown that retroreflective traffic signs with Type III sheeting supplied and used according to the sheeting manufacturer's recommendations have not met the performance requirements of Table 5 above, the sheeting manufacturer shall cover restoration costs as follows for sheeting shown to be unsatisfactory during:

2.10.1.1 The entire ten years: the sheeting manufacturer will replace the sheeting required to restore the sign surface to its original effectiveness.

2.10.1.2 In addition, during the first seven years: The sheeting manufacturer will cover the cost of restoring the sign surface to its original effectiveness at no cost to the Department for materials or labor.

2.11 COUNTY'S OBLIGATION:

Maricopa County shall be responsible for requiring the dating of signs at the time of application. This date constitutes the start of the field performance obligation period.

2.12 CERTIFICATION:

The sign manufacturer shall submit with each lot or shipment a certification which states that the material supplied will meet all the requirements of this specification for the applicable sheeting type(s).

2.13 READY-MADE SIGNS:

2.13.1 REFLECTIVE SHEETING:

Reflective sheeting used in the fabrication of traffic control signs shall meet the requirements of the U.S. D.O.T FHWA Specification FP-96 Sec. 718 modified as noted hereinafter. Sheeting will be classified by type in accordance with Federal Standard Specifications FP-96 and the following:

2.13.1.1 Type III Sheeting:

Type III encapsulated lens retroreflective sheeting to meet or exceed 3M Scotchlite™ High Intensity Grade 2800/3800 Series with 800 Series Process Inks, consisting of spherical lens elements adhered to a waterproof plastic having a smooth outer surface. The sheeting shall have a pre-coated heat activated adhesive for Series 2800 equivalent or pressure sensitive adhesive for Series 3800 equivalent.

2.13.1.2 Type VII Sheeting:

Type VII retroreflective sheeting having highest retroreflective characteristics at long and medium road distances as determined by the RA values of the following table at 0.1 degrees and 0.2 degrees observation angle. This material is an unmetallized microprismatic retroreflective element material. Meets or exceeds 3M LDP diamond grade material, 3M Florescent Yellow-Green and 3M Work Zone Florescent Orange.

2.13.1.3 Type VIII Sheeting:

Type VIII retroreflective sheeting having highest retroreflectivity characteristics at long and medium road distances as determined by the RA values of the following table at 0.1 degrees and 0.2 degrees observation angle.

Sheeting is an unmetallized microprismatic retroreflective element material. Equal to or exceeds 3M "Narrow Angle Performers" diamond grade material.

2.13.1.4 Type IX Sheeting:

Type IX retroreflective sheeting having highest retroreflective characteristics at short road distances as determined by the RA values of the following table at 1 degree angle observation. An unmetallized microprismatic retroreflective element material. Meets or exceeds 3M VIP diamond grade sheeting.

2.13.1.5 The manufacturer must provide documentation, to the satisfaction of the Engineer, for Types I through IX sheeting. The sheeting proposed must have been used successfully in a substantial traffic sign program under similar climatic conditions for at least three years.

2.13.2 COLOR REQUIREMENTS:

Type III shall conform to M 268 Table 3, except that the minimum reflectance limit for the color orange in Table 3 shall be 12. Conformance to color requirements shall be determined whether by the test method in M 268 or spectrophotometrically in accordance with ASTM E 1164, with instruments utilizing either 45/0 or 0/45 illumination/viewing conditions as described in E 1164 for the 2 degree observer and Eliminant C shall be calculated in accordance with ASTM E 308.

For either method, material reference standards used to calibrate the test instrument shall be retroreflective reference standards which have been recently calibrated on a spectrophotometer; alternatively, the Munsell Papers as recently calibrated on a spectrophotometer, may be used.

Type III - 3M™, or equivalent, High Intensity grade Sheeting Reflectivity Enclosed-Lens Sheeting

TABLE 3

<i>Observe Angle</i>	<i>Entrance Angle</i>	<i>White</i>	<i>Red</i>	<i>Orange</i>	<i>Brown</i>	<i>Yellow</i>	<i>Green</i>	<i>Blue</i>
0.2	-4	250	45	100	12.0	170	45	20.0
0.2	+30	150	25	60	8.5	100	25	11.0
0.5	-4	95	15	30	5.0	62	15	7.5
0.5	+30	65	10	20	3.5	45	10	5.0

2.13.3 SPECIFIC INTENSITY PER UNIT AREA (SIA):

2.13.3.1 The SIA values shall be in accordance with the following:

2.13.3.1.1 Type III Table 718-3 or FP96

For screen-printed transparent colored areas on white sheeting, the SIA values shall not be less than 70% of the values for the corresponding color in the applicable table.

TABLE 4

Minimum Specific intensity Per Unit Area (SIA) (Candelas per Foot candle per Square Foot) Type III Construction Work Zone Sheeting				
Observation Angle (degree)	Entrance Angle (degree)	White	Yellow	Orange
0.2	-4	250	170	100
0.2	30	150	100	60
0.2	50	75	40	25
0.5	-4	95	62	30
0.5	30	65	45	25
0.5	50	35	20	10

This is for Type III sheeting and includes Orange which has a 3 year warranty.
This table is used for construction work zone High Intensity.

2.13.4 FLEXIBILITY:

(0 degrees C) for 24 hours prior to test.

2.13.5 ARTIFICIAL WEATHERING:

Type III requirements shall be met, except that the exposure shall be changed to two years' unprotected outdoor exposure facing the equator and inclined 45 degrees from the vertical.

2.13.6 PERFORMANCE REQUIREMENTS AND OBLIGATIONS TYPE III:

2.13.6.1 Field Performance Requirements:

Type III sheeting processed and applied to sign blank materials in accordance with the sheeting manufacturer's recommendations shall perform effectively for the number of years stated in this subarticle. The retroreflective sheeting will be considered unsatisfactory if tint has deteriorated due to natural causes to the extent that: (1) the sign is ineffective for its intended purpose when viewed from a moving vehicle under normal day and night driving conditions; or (2) the SIA values are less than the minimums specified in Table 5.

TABLE 5

Minimum Specific Intensity Per Unit Area (Candelas per Footcandle per square foot at 0.2 degrees obs. /-4 degrees ent.) 3M™, or equivalent, Type III High Intensity Sheeting		
Sheeting Color	Min. SIA (7 years)	Min.SIA (10 years)
White	212	200
Yellow	144	136
Green	38	36
Red	38	36
Blue	17	16
Brown	10	9

2.13.6.2 For the printed transparent colored areas on white sheeting the SIA values shall not be less than 70% of those for the corresponding color in the above table.

2.13.6.3 All measurements shall be made after sign leaning according to the manufacturer's recommendations.

2.13.7 SHEETING MANUFACTURERS REPLACEMENT OBLIGATION:

2.13.7.1 Where it can be shown that retroreflective traffic signs with Type III sheeting supplied and used according to the sheeting manufacturer's recommendations have not met the performance requirements of Table 5 above, the sheeting manufacturer shall cover restoration costs as follows for sheeting shown to be unsatisfactory during:

2.13.7.1.1 The entire ten years: the sheeting manufacturer will replace the sheeting required to restore the sign surface to its original effectiveness.

2.13.7.1.2 In addition, during the first seven years: The sheeting manufacturer will cover the cost of restoring the sign surface to its original effectiveness at no cost to the Department for materials or labor.

2.13.8 COUNTY'S OBLIGATION:

Maricopa County shall be responsible for requiring the dating of signs at the time of application. This date constitutes the start of the field performance obligation period.

2.13.9 CERTIFICATION:

The sign manufacturer shall submit with each lot or shipment a certification which states that the material supplied will meet all the requirements of this specification for the applicable sheeting type(s)

2.13.10 BASE METAL:

2.13.10.1 Description:

The base metal shall be new sheet aluminum of alloys 6061-T6 or 5052-H38 conforming to the requirements of ASTM Designation: B209 the thickness of the aluminum sheet shall be as indicated on the Item Number Description unless otherwise specified. The alloy and temper designations shall be verified by mill certification. Each blank will be furnished with standard 3/8" hole locations and corner radii, unless otherwise noted, as shown on Maricopa County Department of Transportation, Standard Details 2061-1 through 2061-22 (EXHIBIT "A").

2.13.10.2 Fabrication:

The fabrication of all metal parts shall be accomplished in a uniform and workmanlike manner. The sign panels are to be cut as shown on the sign specification sheets. This dimensional tolerance of the panels shall be size and shape free of buckles, warp, dents, cockles, burrs, sharp edges and any other defects resulting from fabrication. All possible fabrications, including shearing, cutting and punching of holes shall be completed prior to the base metal pretreatment.

2.13.11 SCREENING INKS, PROCESS PASTE, CLEARS AND THINNERS:

2.13.11.1 Pretreatment:

The front and back surfaces of the aluminum base metal shall be cleaned, deoxidized and coated with a light, tightly adherent chromated conversion coating free of any powdery residue. The base metal pretreatment process shall be in conformance with Section 5, "Recommended Processing Methods" of ASTM Designation: B 449. The coating weight shall be less 2 (10-34 mg/sq. ft.), with a median of 25 mg/sq. ft. as the optimum coating weight. All treatment tanks or spray applied pretreatment is performed by immersion methods. The tanks shall be of sufficient size to accommodate the complete panel. Titration equipment shall be available for the inspector's use to check the solution strengths.

The cleaned and coated base metal shall be handled only by a mechanical device or by operators wearing clean cotton or rubber gloves. After cleaning and coating operations, the panels shall be protected at all times from contact or exposure to grease oils, dust or other contaminants. Only those screening inks, process pastes clears and thinners recommended by the reflective sheeting manufacturer shall be used. All such materials shall be used only in accordance with sheeting manufacturer's recommendations for the items stated above.

Such recommendations shall be obtained in writing and a copy furnished to Maricopa County Transportation and Development Agency. Any changes in those items stated above which a manufacturer deems necessary shall first be approved in writing by the designated representative.

2.13.12 OUTDOOR WEATHERABILITY:

The outdoor weatherability of the applied inks or paste shall be comparable to the outdoor durability of the reflective sheeting as stated in Section 2.13.9.

2.13.13 ADHERENCE:

No process inks shall be removed when tested by applying cellophane tape over a properly cured, color processed area and removing the tape with one quick motion. The tape shall be 3M™ Company Scotch Brand Cellophane Tape No. 600, 3/4" wide or equal.

2.13.14 SOLVENT-RESISTANCE:

Screened sign faces shall be properly cured and solvent resistant to cleaning solvents recommended by the manufacturer of the reflective sheeting.

2.13.15 COLOR:

The color of the screened sign face surface as specified shall conform to the color specification limits and reference standards for Type III reflective sheeting as specified in Federal Specification FP-96, except that the maximum reflectance limit of the colors blue and green shall be 5.D and 10.0, respectively. A significant difference between day and night time reflective color shall be grounds for rejecting the signs.

~~2.13.16 CLEAR COATING:~~

~~All transparent colors screened on Type III sheeting must be clear coated. Clear coating material and process must be in accordance with sheeting manufacturer recommendations. Clear coated signs shall meet minimum reflective intensity values as stated on these specifications.~~

2.13.17 SIGN PANEL FABRICATION:

The message shall be one or a combination of the following types:

- 2.13.17.1 Direct screening or reverse screened. The finished screened sign shall comply with all requirements of these specifications, including color and reflectivity.
- 2.13.17.2 Pressure sensitive computer cut-out reflective sheeting of the same type as specified in Section 2.3.1 of these specifications. Such sheeting shall comply with all requirements of these specifications, including color and reflectivity.
- 2.13.17.3 Black pressure sensitive computer cut out non-reflective sheeting from the approved manufacturers will be permitted in lieu of black process paste.
- 2.13.17.4 The sign faces shall conform to the dimensions and letter series shown on Exhibits (1) through (21).

2.13.18 SPLICES IN REFLECTIVE SHEETING:

No finished sign panel shall have splices.

2.13.19 FINISH:

The finished signs shall be flat within a ratio of 0.04 inches per linear foot when measured across the plane of each panel from opposite corners or at any locations on the panel. All surface exposed to weathering shall be free of any defects in the coating that may impair the serviceability or detract from the general appearance or color matching of the sign.

The finished sign shall be clean and free from all burrs, sharp edges, delaminated reflective sheeting and aluminum marks. Signs with any defects or damage that would affect their appearance or service ability will not be acceptable. No air pockets or bubbles shall exist between the sheeting and the base material.

2.13.20 INSPECTION:

All material and finished signs are subject to inspection by the County at the place of manufacture, and shall be subject to final inspection at the Traffic Operations office at the time of delivery. The County shall have free entry at all times to such parts of the plant as concerns the manufacture or production of signs. Adequate facilities required for inspection shall be furnished without charge to the County. Signs not conforming in all respects to the requirements of these specifications will be rejected.

2.13.21 SIGN RECYCLING:

All pricing shall be bid on a per square foot basis. Gross square footage of shapes (octagon, triangle, etc.) will be used for calculation purposes.

Example: 24" octagon equals 4.0 square feet

Bid price to include freight charges both ways. All recycled sign blanks shall be stripped using a mechanical process. Stripped sign blank thickness shall not be reduced more than 0.01" from original thickness.

Credit shall be provided for scrap metal received and shall be applied at the current, per pound, local recycling market rate. Credit amount shall be shown on the invoice.

2.14 TAX:

No tax shall be levied against labor. Bid pricing to include all labor, overhead tools and equipment used, profit, and any taxes that may be levied. It is the responsibility of the Contractor to determine any and all taxes and include the same in bid price.

2.15 DELIVERY:

Delivery is required F.O.B. Destination, freight pre-paid within seven (7) days of receipt of Purchase Order, to any delivery location within Maricopa County as specified by the County. Contractor shall indicate on Pricing Documentation (Attachment A) any additional freight or handling charges that would be associated with special shipping and/or handling delivery.

It shall be the Contractor's responsibility to meet the County's delivery requirements, as called for in the Technical Specifications. Maricopa County reserves the right to obtain services on the open market in the event the Contractor fails to make delivery and any price differential will be charged against the Contractor.

2.16 EXPEDITED DELIVERY:

If the Using Agency determines that rush shipping or other alternate shipping is required, it shall notify the Contractor. The Contractor shall determine any additional costs associated with such delivery terms and communicate that cost to the Using Agency via fax or other reasonable means.

The Using Agency shall not advise the Contractor to proceed with shipment until acceptable terms are negotiated and a purchase order is issued. Upon determining that the additional costs are reasonable and proper, the Using Agency shall advise the Contractor to proceed.

Upon receipt of material and invoicing, the Using Agency shall ensure that any additional charges are in compliance with and do not exceed those costs stated in the Contract. The Using Agency shall retain all documents related to these costs within the agency purchase order file, for audit purposes.

2.17 SHIPPING:

Bid prices shall be made F.O.B. destination freight pre-paid to the Using Agency within Maricopa County. The Contractor shall retain title and control of all goods until they are delivered and the contract coverage has been completed. All claims for visible or concealed damage shall be filed by the Contractor. The County will notify the Contractor of any damaged goods and shall assist the Contractor in arranging for inspection.

2.18 SHIPPING DOCUMENTS:

A packing list or other suitable shipping document shall accompany each shipment and shall include the following:

- (1) Name and address of the Contractor;
- (2) Name and address of the County Agency;
- (3) County purchase order number;
- (4) A description of material shipped, including item number, quantity, number of containers and package number, if applicable.

2.19 STOCK:

The Contractor shall be expected to stock ~~locally~~ sufficient quantities as may be necessary to meet the County's needs.

2.20 ACCEPTANCE:

Once the Materials have been delivered, the Using Agency shall have a reasonable opportunity to inspect them. The Using Agency shall have five (5) days to perform its acceptance testing and inspection of the Materials, after which time the Materials shall be deemed accepted unless the Using Agency rejects the Materials.

2.21 TESTING:

Unless otherwise specified, materials purchased will be inspected by the Using Agency to ensure the Materials meet the quality and quantity requirements of the Specifications. When deemed necessary by the County, samples of the materials may be taken at random from stock received for submission to a commercial laboratory or other appropriate agency for analysis and tests as to whether the materials conform in all respects to the Specifications. In cases where commercial laboratory reports indicate that the materials do not meet the Specifications, the expense of such analysis is to be borne by the Contractor.

2.22 WARRANTY:

The minimum warranty period shall be twelve (12) months for both parts and labor. Warranty repair and/or replacement will be performed at no additional charge to Maricopa County. All warranty periods shall begin upon acceptance by the Using Agency.

2.23 BRAND NAME:

Bids on brands other than those listed are subject to approval based on evaluation. Maricopa County reserves the right to request samples to determine quality and acceptability of products bid. In some cases brands have been listed to define quality of products desired and is not intended to be restrictive or limit competition. Products substantially equivalent to those designated shall qualify for consideration.

2.24 SAMPLES:

Contractors may be requested to furnish samples of items proposed for examination by the County. Any items so requested shall be furnished within seven (7) working days from the date of request and furnished at no cost to the County and sent to the address designated in the Invitation for Bids.

2.25 ADDITIONAL PRICING:

Contractors are strongly encouraged to offer additional pricing for related items/products/components, which are not specifically addressed as line items in the Invitation For Bids. Pricing offered should be noted on the pricing pages of the Contractor response in the format requested. Two sets of catalogs/pricing documents shall accompany any additional pricing offered.

2.26 CONTRACTOR REVIEW OF DOCUMENTS:

Contractor shall review its bid submission to assure the following requirements are met.

- 2.15.1 One (1) original, one (1) hard copy and one (1) electronic copy (disc or CD) of all submissions is MANDATORY
- 2.15.2 Pricing pages, MANDATORY (Attachment A)
- 2.15.3 Agreement page, MANDATORY (Attachment B)
- 2.15.4 References, MANDATORY (Attachment C)
- 2.15.5 Vendor Information, MANDATORY (Attachment D)

3.0 SPECIAL TERMS & CONDITIONS:

3.1 CONTRACT LENGTH:

This Invitation for Bids is for awarding a firm, fixed price purchasing contract to cover a three (3) year period.

3.2 OPTION TO EXTEND:

The County may, at their option and with the approval of the Contractor, extend the period of this Contract up to a maximum of three (3), one (1) year options. The Contractor shall be notified in writing by the Materials Management Department of the County's intention to extend the contract period at least thirty (30) calendar days prior to the expiration of the original contract period.

3.3 ESCALATION:

Any request for reasonable price adjustments must be submitted thirty (30) days prior to the Contract expiration date. Justification for the requested adjustment in cost of labor and/or materials must be supported by appropriate documentation and must be within the Producer Price Index for the commodity. Increases are subject to approval in writing by the Materials Management Department prior to any adjusted invoicing submitted for payment.

3.4 EVALUATION CRITERIA:

The evaluation of this Bid will be based on, but not limited to, the following:

- 3.4.1 Compliance with specifications
- 3.4.2 Price
- 3.4.3 Determination of responsibility

The County reserves the right to award in whole or in part, by item or group of items, by section or geographic area, or make multiple awards, where such action serves the County's best interest.

3.5 UNCONDITIONAL TERMINATION FOR CONVENIENCE:

Maricopa County may terminate the resultant Contract for convenience by providing sixty (60) calendar days advance notice to the Contractor.

3.6 ORDERING AUTHORITY:

Contractors should understand that any request for purchase of materials or services shall be accompanied by a valid purchase order, issued by Materials Management, or by a CAPA (Certified Agency Procurement Aid). **CAPA purchases are limited to values of less than \$2,500.00. No other request is valid**

3.7 INDEMNIFICATION AND INSURANCE:

3.7.1 INDEMNIFICATION.

To the fullest extent permitted by law, CONTRACTOR shall defend, indemnify, and hold harmless **COUNTY**, its agents, representatives, officers, directors, officials, and employees from and against all claims, damages, losses and expenses, including, but not limited to, attorney fees, court costs, expert witness fees, and the cost of appellate proceedings, relating to, arising out of, or alleged to have resulted from the acts, errors, omissions or mistakes relating to the performance of this Contract. **CONTRACTOR'S** duty to defend, indemnify and hold harmless **COUNTY**, its agents, representatives, officers, directors, officials, and employees shall arise in connection with any claim, damage, loss or expense that is attributable to bodily injury, sickness, disease, death, or injury to, impairment, or destruction of property, including loss of use resulting therefrom, caused by any acts, errors, omissions or mistakes in the performance of this Contract including any person for whose acts, errors, omissions or mistakes **CONTRACTOR** may be legally liable.

The amount and type of insurance coverage requirements set forth herein will in no way be construed as limiting the scope of the indemnity in this paragraph.

3.7.2 Abrogation of Arizona Revised Statutes Section 34-226.

In the event that A.R.S. § 34-226 shall be repealed or held unconstitutional or otherwise invalid by a court of competent jurisdiction, then to the fullest extent permitted by law, **CONTRACTOR** shall defend, indemnify and hold harmless **COUNTY**, its agents, representatives, officers, directors, officials and employees from and against all claims, damages, losses and expenses (including but not limited to attorney fees, court costs, and the cost of appellate proceedings), relating to, arising out of, or resulting from **CONTRACTOR'S** work or services.

CONTRACTOR'S duty to defend, indemnify and hold harmless, **COUNTY**, its agents, representatives, officers, directors, officials and employees shall arise in connection with any claim, damage, loss or expense that is attributable to bodily injury, sickness, disease, death, injury to, impairment or destruction of property including loss of use resulting therefrom, caused in whole or in part by any act or omission of **CONTRACTOR**, anyone **CONTRACTOR** directly or indirectly employs or anyone for whose acts **CONTRACTOR** may be liable, regardless of whether it is caused in part by a party indemnified hereunder, including **COUNTY**.

The scope of this indemnification does not extend to the sole negligence of **COUNTY**.

3.7.3 Insurance Requirements.

CONTRACTOR, at **CONTRACTOR'S** own expense, shall purchase and maintain the herein stipulated minimum insurance from a company or companies duly licensed by the State of Arizona and possessing a current A.M. Best, Inc. rating of B++6. In lieu of State of Arizona licensing, the stipulated insurance may be purchased from a company or companies, which are authorized to do business in the State of Arizona, provided that said insurance companies meet the approval of **COUNTY**. The form of any insurance policies and forms must be acceptable to **COUNTY**.

All insurance required herein shall be maintained in full force and effect until all work or service required to be performed under the terms of the Contract is satisfactorily completed and formally accepted. Failure to do so may, at the sole discretion of **COUNTY**, constitute a material breach of this Contract.

CONTRACTOR'S insurance shall be primary insurance as respects **COUNTY**, and any insurance or self-insurance maintained by **COUNTY** shall not contribute to it.

Any failure to comply with the claim reporting provisions of the insurance policies or any breach of an insurance policy warranty shall not affect coverage afforded under the insurance policies to protect **COUNTY**.

The insurance policies may provide coverage, which contains deductibles or self-insured retentions. Such deductible and/or self-insured retentions shall not be applicable with respect to the coverage provided to **COUNTY** under such policies. **CONTRACTOR** shall be solely responsible for the deductible and/or self-insured retention and **COUNTY**, at its option, may require **CONTRACTOR** to secure payment of such deductibles or self-insured retentions by a surety bond or an irrevocable and unconditional letter of credit.

COUNTY reserves the right to request and to receive, within 10 working days, certified copies of any or all of the herein required insurance policies and/or endorsements. **COUNTY** shall not be obligated, however, to review such policies and/or endorsements or to advise **CONTRACTOR** of any deficiencies in such policies and endorsements, and such receipt shall not relieve **CONTRACTOR** from, or be deemed a waiver of **COUNTY'S** right to insist on strict fulfillment of **CONTRACTOR'S** obligations under this Contract.

The insurance policies required by this Contract, except Workers' Compensation, shall name **COUNTY**, its agents, representatives, officers, directors, officials and employees as Additional Insureds.

The policies required hereunder, except Workers' Compensation, shall contain a waiver of transfer of rights of recovery (subrogation) against **COUNTY**, its agents, representatives, officers, directors, officials and employees for any claims arising out of **CONTRACTOR'S** work or service.

- 3.7.3.1 Commercial General Liability. **CONTRACTOR** shall maintain Commercial General Liability Insurance (CGL) and, if necessary, Commercial Umbrella Insurance with a limit of not less than \$1,000,000 for each occurrence with a \$2,000,000 Products/Completed Operations Aggregate and a \$2,000,000 General Aggregate Limit. The policy shall include coverage for bodily injury, broad form property damage, personal injury, products and completed operations and blanket contractual coverage including, but not limited to, the liability assumed under the indemnification provisions of this Contract which coverage will be at least as broad as Insurance Service Office, Inc. Policy Form CG 00 01 10 93 or any replacements thereof. There shall be no endorsement or modification of the CGL limiting the scope of coverage for liability arising from explosion, collapse, or underground property damage.

The policy shall contain a severability of interest provision, and shall not contain a sunset provision or commutation clause, or any provision, which would serve to limit third party action over claims.

The CGL and the commercial umbrella coverage, if any, additional insured endorsement shall be at least as broad as the Insurance Service Office, Inc.'s Additional Insured, Form CG 20 10 10 01, and shall include coverage for **CONTRACTOR'S** operations and products.

- 3.7.3.2 Automobile Liability. **CONTRACTOR** shall maintain Automobile Liability Insurance and, if necessary, Commercial Umbrella Insurance with a combined single limit for bodily injury and property damage of no less than \$1,000,000, each occurrence, with respect to **CONTRACTOR'S** vehicles (including owned, hired, non-owned), assigned to or used in the performance of this Contract. If hazardous substances, materials, or wastes are to be transported, MCS 90 endorsement shall be included and \$5,000,000 per accident limits for bodily injury and property damage shall apply.

- 3.7.3.3 Workers' Compensation. **CONTRACTOR** shall carry Workers' Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction of **CONTRACTOR'S** employees engaged in the performance of the work or services, as well as Employer's Liability insurance of not less than \$100,000 for each accident, \$100,000 disease for each employee, and \$500,000 disease policy limit.

CONTRACTOR waives all rights against **COUNTY** and its agents, officers, directors and employees for recovery of damages to the extent these damages are covered by the Workers' Compensation and Employer's Liability or commercial umbrella liability insurance obtained by **CONTRACTOR** pursuant to this agreement.

In case any work is subcontracted, **CONTRACTOR** will require the Subcontractor to provide Workers' Compensation and Employer's Liability insurance to at least the same extent as required of **CONTRACTOR**.

3.7.4 Certificates of Insurance.

- 3.7.4.1 Prior to commencing work or services under this Contract, Contractor shall have insurance in effect as required by the Contract in the form provided by the County, issued by Contractor's insurer(s), as evidence that policies providing the required coverage, conditions and limits required by this Contract are in full force and effect. Such certificates shall be made available to the County upon 48 hours notice.

BY SIGNING THE AGREEMENT PAGE THE CONTRACTOR AGREES TO THIS REQUIREMENT AND FAILURE TO MEET THIS REQUIREMENT WILL RESULT IN CANCELLATION OF CONTRACT.

In the event any insurance policy(ies) required by this contract is(are) written on a "claims made" basis, coverage shall extend for two years past completion and acceptance of **CONTRACTOR'S** work or services and as evidenced by annual Certificates of Insurance.

If a policy does expire during the life of the Contract, a renewal certificate must be sent to **COUNTY** fifteen (15) days prior to the expiration date.

3.7.4.2 Cancellation and Expiration Notice.

Insurance required herein shall not be permitted to expire, be canceled, or materially changed without thirty (30) days prior written notice to the County.

3.8 PROCUREMENT CARD ORDERING CAPABILITY:

It is the intent of Maricopa County to utilize a procurement card that may be used by the County from time to time, to place and make payment for orders under the Contract. Contractors without this capability may be considered non-responsive and not eligible for award consideration.

3.9 INQUIRIES AND NOTICES:

All inquiries concerning information herein shall be addressed to:

MARICOPA COUNTY
DEPARTMENT OF MATERIALS MANAGEMENT
ATTN: CONTRACT ADMINISTRATION
320 W. LINCOLN ST.
PHOENIX, AZ 85003

Administrative telephone inquiries shall be addressed to:

WALT PRICE, PROCUREMENT CONSULTANT, 602-506-3454
(wprice@mail.maricopa.gov)

Technical telephone inquiries shall be addressed to:

JIM BAKER, TRANSPORTATION, 602-506-4054
(JimBaker@mail.maricopa.gov)

Inquiries may be submitted by telephone but must be followed up in writing. No oral communication is binding on Maricopa County.

3.10 PRE-BID CONFERENCE:

THERE WILL BE A MANDATORY PRE-BID CONFERENCE ON FEBRUARY 25, 2004 AT 10:00 AM ~~2:00 P.M.~~ AT THE MARICOPA COUNTY MATERIALS MANAGEMENT DEPARTMENT, 320 W. LINCOLN ST., PHOENIX, AZ 85003

3.11 SUBMISSION PRICE CLARITY:

For reasons of clarity all submissions of pricing (Attachment A) shall be priced in the same unit (size, volume, quantity, weight, etc.) as the bid specifications request. Submissions (bids) failing to comply with this requirement may be declared non-responsive.

3.12 INSTRUCTIONS FOR PREPARING AND SUBMITTING BIDS:

Bidders are to provide one (1) original "hard copy" (labeled), one extra copy and (1) electronic copy of pricing (Attachment A) on a 3.5" diskette or CD. Bidders are to identify their responses with the bid serial number, title and return address to Maricopa County, Department of Materials Management, 320 West Lincoln, Phoenix, Arizona 85003. A corporate official who has been authorized to make such commitments must sign bids.

EXHIBIT A



Exhibit A - Sign
Details.zip

3M COMPANY, 3M CENTER, ST PAUL, MN 55144-1000

B0604548 / C970101 / NIGP CODES 80109, 80148, 80149

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: X YES NO

WILL YOUR FIRM ACCEPT A PROCUREMENT CARD FOR INVOICE PAYMENT? X YES NO

IF YES, MAY THE COUNTY TAKE ADVANTAGE OF DISCOUNTS OFFERED BY YOUR FIRM IN THIS BID/RFP WHEN PAYING WITH A PROCUREMENT CARD? YES X NO

INTERNET ORDERING CAPABILITY: YES X NO % DISCOUNT

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: X YES NO

PRICING:

NOTE: DO NOT INCLUDE SALES/USE TAX IN YOUR BID PRICE. The percentage of sales/use tax applicable to this contract will be listed on the purchase order and allowed at time of payment. BIDDERS CERTIFY BY SIGNING THIS AGREEMENT THAT PRICES BID ARE F.O.B. DESTINATION IN ACCORDANCE WITH THE TERMS AND CONDITIONS SET FORTH HEREIN.

6.0 TRAFFIC SIGNING MATERIALS

6.5 SIGN SHEETING:

**EST. 12 MO
USAGE**

	DESCRIPTION PRICE	UNIT
6.5.1	Type IV 3M Series 3930 HIP Type III Reflective Sheeting	\$10.98 / SQ YD
6.5.2	Type VII Fluorescent Orange Sheeting Type VII Reflective Sheeting	\$30.555 / SQ YD
6.5.3	Type VIII Reflective Sheeting	\$39.15 / SQ YD
6.5.4	Type XI 3M Series 4090 DG3 Type IX Reflective Sheeting	\$38.25 / SQ YD
6.5.5	Type XI 3M Series 4080 DG3 Type IX Reflective Sheeting, Fluorescent Yellow & Fluorescent Yellow Green	\$4.90 / SQ FT
6.5.6	Miscellaneous Sheeting Items/Reflective & Non-Reflective	
6.5.6.5	Transfer Tape:	\$0.22 / SQ FT

6.6 ADDITIONAL PRICING (also list here the catalog(s) to be used for discount pricing offered above):

Catalog/price listing	Date of catalog/listing	%Discount from list
3M TSS 2004 CATALOG	JANUARY 01, 2004	0 %

3M COMPANY, 3M CENTER, ST PAUL, MN 55144-1000

Terms: NET 30

Vendor Number: **W000002817 X**

Telephone Number: ~~800-364-3571~~ **651-737-0526**

Fax Number: ~~888-246-9793~~ **651-736-1376**

Contact Person: ~~D J Johnson~~ **Elaine Graffunder**

E-mail Address: tbidgroup@mmm.com eggraffunder1@mmm.com

Company Web Site: www.mmm.com

Insurance Certificate Required

Contract Period: To cover the period ending **MAY 31, 2007**

Z A P MANUFACTURING INC, 12086 CHARLES DRIVE, GRASS VALLEY, CA 95945

B0604548 / C970101 / NIGP CODES 80109, 80148, 80149

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: X YES NO

WILL YOUR FIRM ACCEPT A PROCUREMENT CARD FOR INVOICE PAYMENT? X YES NO

IF YES, MAY THE COUNTY TAKE ADVANTAGE OF DISCOUNTS OFFERED BY YOUR FIRM IN THIS BID/RFP WHEN PAYING WITH A PROCUREMENT CARD? YES X NO

INTERNET ORDERING CAPABILITY: YES X NO % DISCOUNT

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: X YES NO

PRICING:

NOTE: DO NOT INCLUDE SALES/USE TAX IN YOUR BID PRICE. The percentage of sales/use tax applicable to this contract will be listed on the purchase order and allowed at time of payment. BIDDERS CERTIFY BY SIGNING THIS AGREEMENT THAT PRICES BID ARE F.O.B. DESTINATION IN ACCORDANCE WITH THE TERMS AND CONDITIONS SET FORTH HEREIN.

6.0 TRAFFIC SIGNING MATERIALS

6.2 SIGN BLANK RECYCLING PRICING PER SQ.FT. FOR REMOVAL ONLY:

6.2.1 <u>REMOVAL ONLY:</u>	PRICE UNIT
6.2.1.1 ENGINEER GRADE SHEETING	\$0.90 / SQFT
6.2.1.2 SUPER ENGINEER GRADE SHEETING	\$0.90 / SQFT
6.2.1.3 HIGH INTENSITY GRADE SHEETING	\$0.90 / SQFT
6.1.2.4 DIAMOND EQUIVALENCY GRADE SHEETING	\$0.90 / SQFT

6.3 SIGN BLANK RECYCLING PRICING PER SQ.FT. FOR REMOVAL AND RE-FACING:

6.3.1 <u>REMOVAL AND RE-FACING ONLY:</u> <u>(STD. HIGHWAY FACE):</u>	PRICE UNIT
6.3.1.1 ENGINEER GRADE SHEETING	\$2.10 / SQFT
6.3.1.2 SUPER ENGINEER GRADE SHEETING	\$2.70 / SQFT
6.3.1.3 HIGH INTENSITY GRADE SHEETING	\$3.05 / SQFT
6.3.1.4 DIAMOND EQUIVALENCY GRADE SHEETING	\$5.60 / SQFT
6.3.1.5 DIAMOND GRADE SHEETING, FLOURESCENT YELLOW & FLOURESCENT YELLOW/GREEN	\$6.25 / SQFT
6.3.1.6 DIAMOND GRADE SHEETING, FLOURESCENT ORANGE	\$5.25 / SQFT

Z A P MANUFACTURING INC, 12086 CHARLES DRIVE, GRASS VALLEY, CA 95945

6.3.1.7	PROTECTIVE OVERLAY FILM, 3M #1150 OR EQUAL	\$1.00 / SQFT
6.3.1.8	PROTECTIVE OVERLAY FILM, 3M #1160 OR EQUAL	\$1.75 / SQFT

Terms:	NET 30
Vendor Number:	W000003397 X
Telephone Number:	800-824-5927
Fax Number:	916-477-0751
Contact Person:	Tim Corkins
E-mail Address:	devon@zapmfg.com sales@zapmfg.com
Company Web Site:	www.zapmfg.com
Insurance Certificate	Required
Contract Period:	To cover the period ending MAY 31, 2007

ZUMAR INDUSTRIES INC, 9719 S SANTA FE SPRINGS ROAD, SANTA FE SPRINGS, CA 90670

B0604548 / C970101 / NIGP CODES 80109, 80148, 80149

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: X YES NO

WILL YOUR FIRM ACCEPT A PROCUREMENT CARD FOR INVOICE PAYMENT? X YES NO

IF YES, MAY THE COUNTY TAKE ADVANTAGE OF DISCOUNTS OFFERED BY YOUR FIRM IN THIS BID/RFP WHEN PAYING WITH A PROCUREMENT CARD? YES X NO

INTERNET ORDERING CAPABILITY: YES X NO % DISCOUNT

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: X YES NO

PRICING:

NOTE: DO NOT INCLUDE SALES/USE TAX IN YOUR BID PRICE. The percentage of sales/use tax applicable to this contract will be listed on the purchase order and allowed at time of payment. BIDDERS CERTIFY BY SIGNING THIS AGREEMENT THAT PRICES BID ARE F.O.B. DESTINATION IN ACCORDANCE WITH THE TERMS AND CONDITIONS SET FORTH HEREIN.

6.0 TRAFFIC SIGNING MATERIALS

6.1 ALUMINUM TRAFFIC SIGN BLANKS:

6.1.1 OCTAGON (STOP SIGN):

Standard Detail Reference: 2061-1, 2061-1A

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE UNIT
as required	6.1.1.1	30 X 30	.080	\$14.34 15.77 / Each
as required	6.1.1.2	36 X 36	.100	\$25.51 28.06 / Each
as required	6.1.1.3	48 X 48	.125	\$56.20 61.82 / Each

6.1.2 TRIANGLE:

Standard Detail Reference: 2061-2

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE UNIT
as required	6.1.2.1	36 X 36 X 36	.100	\$12.30 13.53 / Each

6.1.3 VERTICAL RECTANGLE:

Standard Detail Reference: 2061-4, 2061-5, 2061-6

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE UNIT
300/each	6.1.3.1	06 X 12	.080	\$1.80 1.98 / Each

ZUMAR INDUSTRIES INC, 9719 S SANTA FE SPRINGS ROAD, SANTA FE SPRINGS, CA 90670

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE UNIT
as required	6.1.3.2	06 X 18	.080	\$2.70 2.97 / Each
as required	6.1.3.3	06 X 24	.080	\$2.82 3.10 / Each
as required	6.1.3.4	06 X 30	.080	\$3.43 3.77 / Each
as required	6.1.3.5	07 X 48	.100	\$9.49 10.44 / Each
as required	6.1.3.6	08 X 24	.100	\$4.92 5.41 / Each
as required	6.1.3.7	11 X 48	.100	\$12.70 13.97 / Each
300/each	6.1.3.8	12 X 48	.100	\$12.70 13.97 / Each
as required	6.1.3.9	12 X 60	.100	\$15.48 17.03 / Each
110/each	6.1.3.10	12 X 72	.100	\$18.64 20.50 / Each
as required	6.1.3.11	18 X 30	.100	\$11.85 13.04 / Each
as required	6.1.3.12	18 X 36	.100	\$14.23 15.65 / Each
as required	6.1.3.13	18 X 48	.125	\$23.15 25.47 / Each
as required	6.1.3.14	20 X 36	.100	\$18.03 19.83 / Each
700/each	6.1.3.15	24 X 30	.100	\$15.56 17.12 / Each
as required	6.1.3.16	24 X 36	.100	\$18.64 20.50 / Each
as required	6.1.3.17	24 X 60	.125	\$38.49 42.34 / Each
180/each	6.1.3.18	30 X 36	.100	\$23.21 25.53 / Each

6.1.4 SQUARE:

Standard Detail Reference: 2061-13

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE UNIT
1,200/each	6.1.4.1	06 X 06	.080	\$1.34 1.20 / Each

ZUMAR INDUSTRIES INC, 9719 S SANTA FE SPRINGS ROAD, SANTA FE SPRINGS, CA 90670

6.1.5 DIAMOND:

Standard Detail Reference: 2061-14, 2061-15, 2061-16, 2061-17, 2061-18

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE UNIT
100/each	6.1.5.1	18 X 18	.080	\$6.26 6.89 / Each
400/each	6.1.5.2	24 X 24	.080	\$9.90 10.89 / Each
200/each	6.1.5.3	30 X 30	.080	\$15.43 16.97 / Each
3,100/each	6.1.5.4	36 X 36	.100	\$27.87 30.66 / Each
as required	6.1.5.4	48 X 48	.125	\$61.74 67.91 / Each

6.1.6 HORIZONTAL RECTANGLE:

Standard Detail Reference: 2061-7, 2061-8, 2061-9, 2061-12

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE UNIT
400/each	6.1.6.1	18 X 12	.063	\$3.26 3.59 / Each
1,000/each	6.1.6.2	24 X 18	.100	\$9.49 10.44 / Each
as required	6.1.6.3	30 X 18	.100	\$11.85 13.04 / Each
400/each	6.1.6.4	36 X 12	.125	\$11.57 12.73 / Each
as required	6.1.6.5	36 X 20	.125	\$19.30 21.23 / Each
as required	6.1.6.6	36 X 24	.125	\$23.15 25.47 / Each
20/each	6.1.6.7	36 X 48	.125	\$46.30 50.93 / Each
as required	6.1.6.8	48 X 18	.125	\$23.15 25.47 / Each
450/each	6.1.6.9	48 X 24	.125	\$30.87 33.96 / Each
300/each	6.1.6.10	48 X 30	.125	\$38.49 42.34 / Each
as required	6.1.6.11	48 X 36	.125	\$46.30 50.93 / Each
20/each	6.1.6.12	48 X 60	.125	\$76.98 84.68 / Each
as required	6.1.6.13	60 X 24	.125	\$40.36 44.40 / Each
as required	6.1.6.14	60 X 30	.125	\$50.46 55.51 / Each
20/each	6.1.6.15	60 X 36	.125	\$60.56 66.62 / Each
as required	6.1.6.16	60 X 48	.125	\$76.98 84.68 / Each
20/each	6.1.6.17	72 X 48	.125	\$93.21 102.53 / Each
20/each	6.1.6.18	96 X 48	.125	\$121.57 133.73 / Each

ZUMAR INDUSTRIES INC, 9719 S SANTA FE SPRINGS ROAD, SANTA FE SPRINGS, CA 90670

6.1.7 PENTAGON SCHOOL SIGN:
Standard Detail Reference: 2061-19

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE	UNIT
60/each	6.1.7.1	36 X 36	.100	\$24.69	27.16 / Each

6.1.8 CIRCLE:
Standard Detail Reference: 2061-20

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE	UNIT
as required	6.1.8.1	36 X 36	.100	\$25.13	27.64 / Each

6.1.9 NO PASSING ZONE (ISOSCELES TRIANGLE):
Standard Detail Reference: 2061-3

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE	UNIT
as required	6.1.9.1	36 X 48	.125	\$26.20	28.82 / Each

6.1.10 STREET SIGN BLANKS:
Standard Detail Reference: 2061-10A, 2061-10B, 2061-10C

NOTE "C" DIMENSION ON DETAIL REFERENCE

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	DETAIL REFERENCE	PRICE	UNIT
as required	6.1.10.1	24 X 07	.100	2061-10A	\$3.87	4.26 / Each
as required	6.1.10.2	24 X 11	.100	2061-10B	\$6.43	7.07 / Each
as required	6.1.10.3	24 X 11	.100	2061-10C	\$6.43	7.07 / Each
as required	6.1.10.4	30 X 07	.100	2061-10A	\$4.84	5.32 / Each
as required	6.1.10.5	30 X 11	.100	2061-10B	\$7.90	8.69 / Each
as required	6.1.10.6	30 X 11	.100	2061-10C	\$7.90	8.69 / Each
as required	6.1.10.7	36 X 07	.100	2061-10A	\$5.80	6.38 / Each
as required	6.1.10.8	36 X 09	.100	2061-10B	\$9.18	10.10 / Each
as required	6.1.10.9	36 X 09	.100	2061-10C	\$9.18	10.10 / Each
as required	6.1.10.10	36 X 11	.100	2061-10B	\$9.49	10.44 / Each
as required	6.1.10.11	36 X 11	.100	2061-10C	\$9.49	10.44 / Each
as required	6.1.10.12	42 X 07	.100	2061-10A	\$6.77	7.45 / Each

ZUMAR INDUSTRIES INC, 9719 S SANTA FE SPRINGS ROAD, SANTA FE SPRINGS, CA 90670

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	DETAIL REFERENCE	PRICE	UNIT
as required	6.1.10.13	42 X 11	.100	2061-10B	\$41.07	12.18 / Each
as required	6.1.10.14	42 X 11	.100	2061-10C	\$41.07	12.18 / Each
as required	6.1.10.15	48 X 07	.100	2061-10A	\$7.74	8.51 / Each
as required	6.1.10.16	48 X 11	.100	2061-10B	\$12.66	13.93 / Each
as required	6.1.10.17	48 X 11	.100	2061-10C	\$12.66	13.93 / Each
as required	6.1.10.18	54 X 11	.100	2061-10B	\$14.23	15.65 / Each
as required	6.1.10.19	54 X 11	.100	2061-10C	\$14.23	15.65 / Each
as required	6.1.10.20	60 X 11	.100	2061-10B	\$15.82	17.40 / Each
as required	6.1.10.21	60 X 11	.100	2061-10C	\$15.82	17.40 / Each

6.1.11 METRO (OVERHEAD STREET NAME) SIGNS: (NO HOLE PUNCHING):
Standard Detail Reference: 2061-11

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE	UNIT
as required	6.1.11.1	60 X 18	.125	\$24.43	26.87 / Each
10/each	6.1.11.2	72 X 18	.125	\$29.34	32.24 / Each
as required	6.1.11.3	84 X 18	.125	\$34.20	37.62 / Each
as required	6.1.11.4	96 X 18	.125	\$39.08	42.99 / Each
5/each	6.1.11.5	108 X 18	.125	\$43.97	48.37 / Each

6.1.12 INTERSTATE SHIELD SIGN:
Standard Detail Reference: 2061-21

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE	UNIT
as required	6.1.12.1	24 X 24	.125	\$15.41	16.95 / Each
as required	6.1.12.2	30 X 24	.125	\$19.26	21.19 / Each
as required	6.1.12.3	36 X 36	.125	\$34.67	38.14 / Each
as required	6.1.12.4	45 X 36	.125	\$46.30	50.93 / Each

ZUMAR INDUSTRIES INC, 9719 S SANTA FE SPRINGS ROAD, SANTA FE SPRINGS, CA 90670

6.1.13 COUNTY SHIELD SIGN:
Standard Detail Reference: 2061-22

EST. 12 MO USAGE		SIZE (INCHES) WIDTH X HEIGHT	GAUGE	PRICE UNIT
as required	6.1.13.1	18 X 15	.125	\$8.66 9.53 / Each
as required	6.1.13.2	24 X 18	.125	\$14.66 16.13 / Each
as required	6.1.13.3	30 X 24	.125	\$19.26 21.19 / Each

6.4 **READY MADE SIGNS:**

6.4.1 STANDARD SINGLE SIDED - READY MADE SIGNS

EST. 12 MO USAGE	SIZE (INCHES) NAME	WIDTH X HEIGHT	GAUGE	TYPE	PRICE UNIT
20/each	6.4.1.1 DO NOT ENTER	30" X 30"	.080	Eng.Grade	\$20.72 22.79/EA
200/each	6.4.1.2 Warning Signs	36" X 36"	.100	Eng.Grade	\$35.15 38.67/ EA
300/each	6.4.1.3 Stop Ahead (Symbols)	36" X 36"	.100	Eng.Grade	\$35.15 38.67/EA
250/each	6.4.1.4 Stop Signs	30" X 30"	.080	Hi-Intensity	\$30.73 33.80/EA
400/each	6.4.1.5 Stop Signs	36" X 36"	.100	Hi-Intensity	\$45.40 49.94/EA
400/each	6.4.1.6 Object Marker 9-Ball/Red	18" X 18"	.080	Hi-Intensity	\$11.23 12.35/EA
400/each	6.4.1.7 Object Marker 9-Ball/Yellow	18" X 18"	.080	Hi-Intensity	\$11.23 12.35/EA
1,500/each	6.4.1.8 Object Marker 3-Ball	8" X 24"	.100	Hi-Intensity	\$9.53 10.48/ EA
100/each	6.4.1.9 No Parking Anytime Symbol	12" X 18"	.063	Eng.Grade	\$4.55 5.01/ EA
50/each	6.4.1.10 No Parking Anytime Symbol	12" X 12"	.063	Eng.Grade	\$3.15 3.47/ EA
100/ea	6.4.1.11 No Parking Anytime Symbol	24" X 24"	.080	Eng.Grade	\$16.36 18.00/ EA

ZUMAR INDUSTRIES INC, 9719 S SANTA FE SPRINGS ROAD, SANTA FE SPRINGS, CA 90670

6.4.2 READY MADE TRAFFIC SIGN PRICING .063 GAUGE ALUMINUM, PUNCHED & CORNER RADIUS ACCORDING TO SIGN BLANK SPECIFICATION INCLUDED IN BID.

Category	3M Sheeting Equivalent		Type III Type IV HIP	
Guide Signs			Clear	
Regulatory Signs	Colors			
Warning Signs			Graffiti Film	
Construction Signs	One	Two	One	Two
<u>Standard Signs:</u>				
6.4.2.1	\$4.58	5.04 5.64 /SQFT	\$5.00 /SQFT	\$/SQFT \$2.25 /SQFT
<u>Special Signs:</u>				
6.4.2.2	\$5.50	6.05 6.38 /SQFT	\$6.11 /SQFT	\$/SQFT \$2.25 /SQFT

Category	3M Sheeting Equivalent		Type VII	
Guide Signs			Clear	
Regulatory Signs	Colors			
Warning Signs			Graffiti Film	
Construction Signs	One	Two	One	Two
<u>Standard Signs:</u>				
6.4.2.5	\$9.75	10.73 12.02 /SQFT	\$10.64 11.70 13.10 /SQFT	\$/SQFT \$2.25 /SQFT
<u>Special Signs:</u>				
6.4.2.6	\$11.70	12.87 14.41 /SQFT	\$13.00 14.30 16.02 /SQFT	\$/SQFT \$2.25 /SQFT

Category	3M Sheeting Equivalent		Type IX Type XI DG3	
Guide Signs			Clear	
Regulatory Signs	Colors			
Warning Signs			Graffiti Film	
Construction Signs	One	Two	One	Two
<u>Standard Signs:</u>				
6.4.2.7	\$9.75 /SQFT	\$10.64 /SQFT	\$8.76 /SQFT	\$9.56 /SQFT \$2.25 /SQFT
	10.73 /SQFT	11.70 /SQFT	9.64 10.80 /SQFT	10.52 11.78 /SQFT
<u>Special Signs:</u>				
6.4.2.8	\$11.70 /SQFT	\$13.00 /SQFT	\$10.52 /SQFT	\$11.68 /SQFT \$2.25 /SQFT
	12.87 /SQFT	14.30 /SQFT	11.57 12.96 /SQFT	12.85 14.39 /SQFT

6.4.3 READY MADE TRAFFIC SIGN PRICING .080 GAUGE ALUMINUM, PUNCHED & CORNER RADIUS ACCORDING TO SIGN BLANK SPECIFICATION INCLUDED IN BID

Category	3M Sheeting Equivalent		Type III Type IV HIP	
Guide Signs			Clear	
Regulatory Signs	Colors			
Warning Signs			Graffiti Film	
Construction Signs	One	Two	One	Two
<u>Standard Signs:</u>				
6.4.3.1	\$5.08	5.59 6.26 /SQFT	\$5.55 6.11 6.84 /SQFT	\$/SQFT \$2.25 /SQFT
<u>Special Signs:</u>				
6.4.3.2	\$6.10	6.71 7.52 /SQFT	\$6.78 7.46 8.36 /SQFT	\$/SQFT \$2.25 /SQFT

ZUMAR INDUSTRIES INC, 9719 S SANTA FE SPRINGS ROAD, SANTA FE SPRINGS, CA 90670

Category	3M Sheeting Equivalent		Type VII		Clear	
Guide Signs						
Regulatory Signs	Colors					
Warning Signs						Graffiti Film
Construction Signs	One	Two	One	Two		
<u>Standard Signs:</u>						
6.4.3.5	\$7.75 8.53 9.55 /SQFT	\$8.45 9.30 10.42 /SQFT	\$ /SQFT	\$ /SQFT		\$2.25 /SQFT
<u>Special Signs:</u>						
6.4.3.6	\$9.30 10.23 11.46 /SQFT	\$10.33 11.36 12.72 /SQFT	\$ /SQFT	\$ /SQFT		\$2.25 /SQFT

Category	3M Sheeting Equivalent		Type IX Type XI DG3		Clear	
Guide Signs						
Regulatory Signs	Colors					
Warning Signs						Graffiti Film
Construction Signs	One	Two	One	Two		
<u>Standard Signs:</u>						
6.4.3.7	\$7.75 /SQFT	\$8.45 /SQFT	\$9.27 /SQFT	\$10.11 /SQFT		\$2.25 /SQFT
	8.53 /SQFT	9.30 /SQFT	10.20 11.42 /SQFT	11.21 12.56 /SQFT		
<u>Special Signs:</u>						
6.4.3.8	\$9.30 /SQFT	\$10.33 /SQFT	\$11.12 /SQFT	\$12.36 /SQFT		\$2.25 /SQFT
	\$10.23 /SQFT	\$11.36 /SQFT	\$12.23 13.70 /SQFT	\$13.60 15.23 /SQFT		

6.4.4 READY MADE TRAFFIC SIGN PRICING .100 GAUGE ALUMINUM, PUNCHED & CORNER RADIUS ACCORDING TO SIGN BLANK SPECIFICATION INCLUDED IN BID

Category	3M Sheeting Equivalent		Type III Type IV HIP		Clear	
Guide Signs						
Regulatory Signs	Colors					
Warning Signs						Graffiti Film
Construction Signs	One	Two	One	Two		
<u>Standard Signs:</u>						
6.4.4.1	\$5.68 6.25 7.00 /SQFT	\$6.20 6.82 7.64 /SQFT	\$ /SQFT	\$ /SQFT		\$2.25 /SQFT
<u>Special Signs:</u>						
6.4.4.2	\$6.82 7.50 8.40 /SQFT	\$7.58 8.34 9.34 /SQFT	\$ /SQFT	\$ /SQFT		\$2.25 /SQFT

Category	3M Sheeting Equivalent		Type VII		Clear	
Guide Signs						
Regulatory Signs	Colors					
Warning Signs						Graffiti Film
Construction Signs	One	Two	One	Two		
<u>Standard Signs:</u>						
6.4.4.5	\$10.85 11.94 13.37 /SQFT	\$11.84 13.02 14.58 /SQFT	\$ /SQFT	\$ /SQFT		\$2.25 /SQFT
<u>Special Signs:</u>						
6.4.4.6	\$13.02 14.32 16.04 /SQFT	\$14.47 15.92 17.83 /SQFT	\$ /SQFT	\$ /SQFT		\$2.25 /SQFT

ZUMAR INDUSTRIES INC, 9719 S SANTA FE SPRINGS ROAD, SANTA FE SPRINGS, CA 90670

Category	3M Sheeting Equivalent				Type IX	Type XI	DG3	
Guide Signs					Clear			
Regulatory Signs	Colors							
Warning Signs					Graffiti Film			
Construction Signs	One	Two	One	Two				
<u>Standard Signs:</u>								
6.4.4.7	\$10.85 /SQFT	\$11.84 /SQFT	\$9.87 /SQFT	\$10.76 /SQFT	\$2.25 /SQFT			
	\$11.94 /SQFT	\$13.02 /SQFT	\$10.86 12.16/SQFT	\$11.84 13.26/SQFT				
<u>Special Signs:</u>								
6.4.4.8	\$13.02 /SQFT	\$14.47 /SQFT	\$11.84 /SQFT	\$13.16 /SQFT	\$2.25 /SQFT			
	\$14.32 /SQFT	\$15.92 /SQFT	\$13.02 14.58 /SQFT	\$14.49 16.23 /SQFT				
6.4.4	READY MADE TRAFFIC SIGN PRICING .125 GAUGE ALUMINUM, PUNCHED & CORNER RADIUS ACCORDING TO SIGN BLANK SPECIFICATION INCLUDED IN BID							

Category	3M Sheeting Equivalent						
			Type III	Type IV	HIP		
Guide Signs					Clear		
Regulatory Signs	Colors						
Warning Signs							Graffiti Film
Construction Signs	One	Two	One	Two			
<u>Standard Signs:</u>							
6.4.5.1	\$6.43 7.07	7.92 /SQFT	\$7.02 7.72	8.65 /SQFT	\$ /SQFT	\$ /SQFT	\$2.25 /SQFT
<u>Special Signs:</u>							
6.4.5.2	\$7.72 8.49	9.51 /SQFT	\$8.85 9.74	10.91 /SQFT	\$ /SQFT	\$ /SQFT	\$2.25 /SQFT

Category	3M Sheeting Equivalent				Type VII	Clear	
Guide Signs							
Regulatory Signs	Colors						
Warning Signs							
Construction Signs	One	Two		One	Two		Graffiti Film
<u>Standard Signs:</u>							
6.4.5.5	\$11.60 12.76	12.76 14.29 /SQFT		\$12.65 13.92	15.59 /SQFT	\$ /SQFT \$ /SQFT	\$2.25 /SQFT
<u>Special Signs:</u>							
6.4.5.6	\$13.92 15.34	17.15 /SQFT		\$15.47 17.02	19.06 /SQFT	\$ /SQFT \$ /SQFT	\$2.25 /SQFT

Category	3M Sheeting Equivalent				Type IX	Type XI	DG3	
Guide Signs					Clear			
Regulatory Signs	Colors							
Warning Signs					Graffiti Film			
Construction Signs	One	Two	One	Two				
<u>Standard Signs:</u>								
6.4.5.7	\$11.60 /SQFT	\$12.65 /SQFT	\$10.62 /SQFT	\$11.58 /SQFT	\$2.25 /SQFT			
	\$12.76 /SQFT	\$13.92 /SQFT	\$11.68 13.08/SQFT	\$12.74 14.27/SQFT				
<u>Special Signs:</u>								
6.4.5.8	\$13.92 /SQFT	\$15.47 /SQFT	\$12.74 /SQFT	\$14.16 /SQFT	\$2.25 /SQFT			
	\$15.31/SQFT	\$17.02 /SQFT	\$14.04 15.69 /SQFT	\$15.58 17.45 /SQFT				

Standard Signs: - All signs as listed in the Maricopa County Sign Manual or the Manual for Uniform Control Traffic Devices, current edition.

Special Signs : - Signs other than those in the above listed manuals that will require a special set-up cost. Vendor shall Indicate set-up cost. Unit cost can then be calculated as determined by the total quantity ordered.

ZUMAR INDUSTRIES INC, 9719 S SANTA FE SPRINGS ROAD, SANTA FE SPRINGS, CA 90670

6.4.6 Special Sign Set Up Cost (if any): \$50.00

6.5 SIGN SHEETING:

6.5.6 Miscellaneous Sheeting Items/Reflective & Non-Reflective

6.5.6.1 Letters, Numbers, Borders and Corners: 0 % Discount off vendor catalog pricing

6.5.6.2 Traffic Sign Faces/Pressure Sensitive:

6.5.5.2.1	Types I - II "one color" per SQYD:	\$ SQ YD
6.5.5.2.2	Types I - II "two color" per SQYD:	\$SQ YD
6.5.6.2.3	Type III "one color" per SQYD:	\$2.56 / SQ YD
	Type IV HIP	
6.5.6.2.4	Type III "two color" per SQYD:	\$2.81 / SQ YD
	Type IV HIP	
6.5.5.2.5	Type IV "one color" per SQYD:	\$SQ YD
6.5.5.2.6	Type IV "two color" per SQYD:	\$SQ YD
6.5.5.2.7	Type V "one color" per SQYD:	\$SQ YD
6.5.5.2.8	Type V "two color" per SQYD:	\$SQ YD
6.5.5.2.9	Type IV "one color" per SQYD:	\$ SQ YD
6.5.5.2.10	Type VI "two color" per SQYD:	\$SQ YD
6.5.6.2.11	Type VII "one color" per SQYD:	\$7.75 / SQ YD
6.5.6.2.12	Type VII "two color" per SQYD:	\$8.45 / SQ YD
6.5.6.2.13	Type VIII "one color" per SQYD:	\$7.75 / SQ YD
6.5.6.2.14	Type VIII "two color" per SQYD:	\$8.45 / SQ YD
6.5.6.2.15	Type IX "one color" per SQYD:	\$6.76 / SQ YD
	Type XI DG3	
6.5.6.2.16	Type IX "two color" per SQYD:	\$7.38 / SQ YD

Type XI DG3

6.5.6.8 Graffiti Film, 3M #1160 or Equal \$1.72 / SQFT

6.6 ADDITIONAL PRICING (also list here the catalog(s) to be used for discount pricing offered above):

Catalog/price listing	Date of catalog/listing	%Discount from list
3M COMPANY 2004 PRICE CATALOGUE		0 %

ZUMAR INDUSTRIES INC, 9719 S SANTA FE SPRINGS ROAD, SANTA FE SPRINGS, CA 90670

Terms:	NET 30
Vendor Number:	W000003830 X
Telephone Number:	800-654-7446
Fax Number:	623-870-9209
Contact Person:	Kevin Deruiter
E-mail Address:	kevindr@aol.com
Company Web Site:	www.zumar.com
Insurance Certificate	Required
Contract Period:	To cover the period ending May 31, 2007.